



USDA – National
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Service, Tennessee
Field Office

Weekly Weather and Crop Bulletin



Cooperating with
Tennessee Department
of Agriculture

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Week Ending July 2, 2006

CROPS STARTING TO SHOW SIGNS OF STRESS

Fairly typical summertime weather occurred in Tennessee last week, allowing farmers six days suitable for fieldwork. With the exception of a few occurrences of scattered thunderstorms throughout the State, crops need a good soaking rain. All crops, except cotton, were starting to show signs of stress due to lack of moisture. Cotton development, benefiting from the growing degree days, has over 80 percent of the crop squaring by week’s end and bolls starting to set. Additionally, eighty percent of the crop was rated in good-to-excellent condition. Ninety-five percent of the state’s soybeans had emerged, with over a third of the acreage blooming, right in-line with last year. Over three-fourths of the corn acreage had reached the silking stage, increasing over twenty-five percentage points from the previous week, and the crop continued to be rated in mostly good condition. Last week, farmers were harvesting the last few fields of wheat. Some tobacco growers had to replant this last week due to the dry weather, and some counties reported a few fields with Blue Mold. Fungal diseases were also being reported on some ornamentals, tomatoes, and pumpkins. Hay was rated in mostly fair-to-good condition, while ninety-three percent of the State’s cattle were rated in fair-to-excellent condition.

As of Friday, topsoil moisture levels were rated 12 percent very short, 35 percent short and 53 percent adequate. Subsoil moisture levels were rated 11 percent very short, 33 percent short and 56 percent adequate. Temperatures last week averaged near normal across the entire State. Precipitation last week averaged near normal for much of the State, but slightly below normal for western portions of the State.

n/a= not available

CROP PROGRESS: Through July 2, 2006					CONDITION: On June 30, 2006					
Crop	This Week	Last Week	2005	Five Year Avg.	Item	Very Poor	Poor	Fair	Good	Excellent
Percent					Percent					
Corn Silking	77	51	53	67	Corn	3	7	21	49	20
Cotton Squaring	81	59	91	77	Cotton	0	2	18	61	19
Cotton Setting Bolls	6	n/a	12	9	Hay	4	12	38	40	6
Soybeans Emerged	95	89	94	88	Pastures	4	12	32	47	5
Soybeans Blooming	36	10	36	14	Soybeans	3	5	20	57	15
					Cattle	1	6	22	60	11

County Agent Comments

“Dry weather has caused local tobacco growers to replant this last week after some much needed afternoon showers. Soybean planting has also continued since some more moisture is available. Hay harvesting has begun to slow with most producers finished with their 1st cutting. Second cutting will probably not occur due to lack of rainfall. Higher humidity has caused some bacterial problems in tomatoes which has been non-existent up until last week.”

Jerry Lamb, Rhea County

“Parts of Giles County are getting very dry while other parts have received sufficient rainfall...one area received 3.5 inches while most areas received little or none.”

Kevin Rose, Giles County

“Warm temperatures and dry weather have allowed producers to complete soybean planting and make post-emergent herbicide applications. Some fungicide spraying of corn has continued into this last week with much of the corn beginning to reach full pollination stage. Good soil moisture remains in scattered areas of the county, but a general rain is needed for most of the area. Pastures and hay land are beginning to show stress signs as well as some row crops fields.”

Jeff Lannom, Weakley County

“All crops need a good general rain once again. Gains made the last couple of weeks will soon start to regress because of the heat and lack of submoisture.”

Jerry Parker, Lauderdale County

TEMPERATURES AND PRECIPITATION
For week ending: July 2, 2006 (with comparisons)

LOCATION	TEMPERATURE				PRECIPITATION				GDD BASE 60F Since April 1	
	Week Ending July 2, 2006				Current Week 07/02/06	Rain Days	Current Since January 1	Departure From Normal		
	HI	LO	AVG	DFN					Total	DFN
Ames_Plantation	98	58	77	-2	0	0	24.95	-3.36	1064	161
Tri-City_RGNL_A	87	57	72	-3	0.92	2	20.66	-0.66	564	32
Brownsville_TN	96	62	78	-2	0	0	27.57	-0.79	1126	393
Chattanooga/Lov	94	63	77	-1	1.75	3	20.79	-7.42	1022	232
Clarksville_Sew	97	56	77	1	0	0	22.46	-4.11	935	184
Cookeville	91	59	73	-2	1.86	1	28.63	-0.94	673	258
Covington	94	62	77	-3	0	0	25.57	-2.52	1027	124
Crossville_AP	87	57	71	-3	0.57	3	24.45	-4.92	614	124
Dayton	90	58	73	-3	0.21	2	21.63	-8.03	770	81
Dickson_AG	93	57	74	-3	0	0	25.42	-3.22	793	0
Dover_1W	94	62	76	0	0	0	24.89	-2.7	842	185
Dyersburg	99	63	79	-2	0	0	27.28	0.74	1163	182
Erwin_1W	86	58	71	0	1.65	2	28.9	3.72	549	-106
Huntingdon_Wate	95	60	77	-1	0	0	26.94	-0.85	951	252
Jackson_Exp_Stn	95	61	77	-1	0	0	27.15	-1.07	1045	200
Kingston_AG	90	58	74	-1	0.39	4	27.29	-3.23	787	206
Knoxville_AP	91	62	76	1	1.44	2	21.7	-3.74	890	225
Lewisburg	95	57	75	-1	0.34	1	27.29	-1.77	847	175
Lexington_TN	94	60	76	-3	0	0	27.22	0.32	909	465
Linden	99	58	76	1	0	0	26.01	-3.81	878	183
Martin	95	61	77	-1	0.03	1	28.37	0.66	948	144
Mc_Minnville_Tn	94	57	75	-1	0.09	2	28.35	-0.1	878	-32
Memphis_AG	98	60	78	-5	0	0	27.74	0	1159	55
Milan	95	58	77	0	0	0	27.96	-0.82	981	199
Murfreesboro_5N	94	61	77	0	0.04	1	29.97	2.19	870	-47
Nashville_Metro	94	62	77	-1	0.58	3	23.67	-1.63	1005	170
Newcomb	91	55	72	-1	0.43	2	25.05	-3.41	592	153
Oneida	89	57	72	0	0.45	1	25.73	-2.73	597	-149
Portland_TN	95	62	76	0	0.26	1	21.84	-5.79	781	125
Pulaski_Water_P	96	58	75	-3	0	0	29.53	0.24	886	35
Savannah_6SW	97	60	77	-2	0	0	29.28	-1.73	1030	305
Sparta_TN	95	56	74	-1	0.04	1	29.79	1.06	807	240
Springfield	94	56	75	-2	0.71	1	25.77	-0.69	718	57
Springhill	96	58	75	0	0	0	26.36	-3.02	866	211
Union_City	94	61	77	-1	0.04	1	31.56	3.99	904	122
Waynesboro_TN	97	56	74	-2	0.02	1	29.14	-1.64	795	-17

DFN = Departure From Normal (Using 1961-90 Normals Period). GDD = Growing Degree Days.
Precipitation Days = Days with precip of 0.01 inch or more. Precipitation (rain or melted snow/ice) in inches.
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